

For the installation of Steel Beam Guardrail (W Beam and Thrie Beam) within the Brisbane City Council area, please refer to the following Queensland Department of Main Roads Standard Drawings for typical components and assembly requirements. These standard drawings are available as free download from the QDMR website (www.mainroads.qld.gov.au).

- 1474 – Steel Beam Guardrail: Installation and Setout
- 1475 – Steel Beam Guardrail: Installation on Bridge and Barrier Approaches
- 1476 – Steel Beam Guardrail: Terminal Components
- 1477 – Steel Beam Guardrail: Posts and Blockouts, Soil and Bearing Plates, Slip Base Plate
- 1478 – Steel Beam Guardrail: W Beam Anchor Bracket Delineation Unit, Post on Base Plate, Abraham Bracket
- 1479 – Steel Beam Guardrail: Bolts, Nuts, Screws and Washers, Cable Assembly With Fasteners
- 1480 – Steel Beam Guardrail: Fabrication Details for W Beam Rails and Rail Components
- 1481 – Steel Beam Guardrail: Fabrication Details for Thrie Beam Rails and Rail Components
- 1482 – Steel Beam Guardrail: W Beam and Thrie Beam Assemblies
- 1483 – Steel Beam Guardrail: Thrie Beam Layouts
- 1484 – Steel Beam Guardrail: Batter Slope Terminals (1 on 1 and Steeper)
- 1485 – Steel Beam Guardrail: Reinforcing Details for Concrete Terminal Block
- 1493 – Steel Beam Guardrail: W Beam Connections for Concrete End Posts
- 1494 – Steel Beam Guardrail: Thrie Beam Connections for Concrete End Posts

For acceptable Steel Beam Guardrail and End Terminal Treatments, refer to the Queensland Department of Main Roads 'Road Safety Barrier Systems & End Treatments' Manual (Version 11.0, May 2007 or later) for information on compliant systems and end terminals/treatments.

Brisbane City Council has developed user guidelines for the implementation and installation of safety barriers and fences in an urban environment. The 'Guidelines For The Use Of Roadside Barriers' is available for free download at www.brisbane.qld.gov.au or by contacting brisbane.standards@brisbane.qld.gov.au.

The use of alternative guardrail end treatments with minimal flaring is encouraged in an urban environment. Refer UMS 133 and UMS 134 for solutions acceptable to Brisbane City Council. Refer manufacturers/distributors details for design and installation requirements.

B	Ref to QDMR 'Road Safety Barrier Systems & End' Manual Included, Title Block Mod.	DJL 02/09	IC 09/09	PC 9/09
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ISSUE	AMENDMENT	DRAWN DATE	CHK'D DATE	APPR'D DATE

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PRINCIPAL ENGINEER STRATEGIC INFRASTRUCTURE MANAGEMENT				DRAWING FILENAME	UMS 132		
				ASSOCIATED PLANS	UMS 133 & UMS 134		



BRISBANE CITY COUNCIL STANDARD DRAWING	
STEEL BEAM GUARDRAIL	
SCALE NOT TO SCALE	DWG No. UMS 132
ORIGINAL SIZE A3	REVISION B